IBM

Personal System/2
Facts and Features

PS/2 it!

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Use this handy reference to make quick comparisons of IBM Personal System/2® models—and check their options, too. It presents basic facts and features—as well as attachment cards and enhancement products—for the entire PS/2® family.

Personal System/2 model comparisons

Personal System/2 Model	25	25 286	30 286
Machine numbers	8525-001, -004, -G01, -G04, -L01, -L04	8525-006, -G06, -036, -G36	8530-E01, -E21, -E31
Processor	8086	80286	80286
Co-processor (optional)	8087	80287	80287
Speed (MHz)	8	10	10
Memory cache	None	None	None
Bus architecture	PC	AT	AT
Data path	8-bit	16-bit	16-bit
User memory (RAM)[2]			
Standard–maximum on system board	512KB–640KB 640KB (-L01, -L04)	1MB–4MB	1MB–4MB
System maximum (addressable)	640KB	16MB[3]	16MB
Integrated functions			
Parallel/serial/pointing device ports	Yes	Yes	Yes
Graphics	MCGA	VGA	VGA
Display port	No	No	Yes
Built-in display	Yes	Yes	No
Disk/diskette controller	Yes	Yes	Yes
SCSI	No	No	No
Network adapter	Optional	Optional	Optional
Key lock	Yes	Yes (-036, -G36)[4]	Yes
Clock/calendar	No	Yes	Yes
Security password	No	Yes	Yes
Diskette drives, 3.5-inch			
Capacity/maximum number supported	720KB/2	1.44MB/2 (-006, -G06), /1 (-036, -G36)	1.44MB/2 (-E01), /1 (-E21, -E31)
Fixed disk storage			
Standard–maximum (MB)	0–20	0–30 (-006, -G06)[5] 30 (-036, -G36)	0–30 (-E01)[5] 20 (-E21) 30 (-E31)
Average seek time	80ms	27ms (30MB)	39ms (30MB) 27ms (20MB)
Expansion slots (available)	2[6]	2[6]	3
Power supply	90-watt (-001, -G01, -L01) 115-watt (-004, -G04, -L04)	124.5-watt	90-watt
Operating systems			
DOS	3.3, 4.0	3.3, 4.0	3.3, 4.0
Operating System/2®	No	SE, EE 1.2, 1.3	SE, EE 1.2, 1.3
AIX® Personal System/2	No	No	No

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[1]Processor upgrade (-A61, -A21).
[2]128KB of this memory is reserved for hardware system use on Models 55 SX, 55 LS, P70 386, 70 386, 70 486.
[3]Achieving this configuration requires installation of non-IBM memory cards.

	50 Z	55 SX	55 LS	65 SX	P70 386	70 386
	8550-031, -061	8555-031, -061	8555-LT0, -LE0	8565-061, -121, -321	8573-031, -061, -121	8570-E61, -061, -121, -A61, -A21
	80286	80386SX™	80386SX	80386SX	80386™	80386/i486™[1]
	80287	80387SX	80387SX	80387SX	80387	80387
	10	16	16	16	16 (-031)	16 (-E61)
					20 (-061, -121)	20 (-061, -121)
						25 (-A61, -A21)
	None	None	None	None	None	64KB (-A61, -A21)
	Micro Channel®	Micro Channel	Micro Channel	Micro Channel	Micro Channel	Micro Channel
	16-bit	16-bit	16-bit	16-bit	32-bit	32-bit
	1MB–2MB	2MB–8MB	2MB–8MB	2MB–8MB	2MB–8MB (-031)	2MB–6MB (-E61, -061, -121)
					4MB–8MB (-061, -121)	2MB–8MB (-A61, -A21)
	16MB	16MB	16MB	16MB	16MB	16MB
	Yes	Yes	Yes	Yes	Yes	Yes
	VGA	VGA	VGA	VGA	VGA	VGA
	Yes	Yes	Yes	Yes	Yes	Yes
	No	No	No	No	Yes/gas plasma	No
	Yes	Yes	Yes	Yes	Yes	Yes
	Optional	Optional	Optional	Standard	Optional	Optional
	Optional	Optional	Token-Ring or Ethernet™	Optional	Optional	Optional
	Yes	Yes	Yes	Yes	No	Yes
	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes
	1.44MB/2	1.44MB/1	0/1 (1.44MB)	1.44MB/2	1.44MB/1	1.44MB/2
	30 (-031)	30 (-031)	0–60	60–1GB (-061)	30 (-031)	60 (-E61, -061, -A61)
	60 (-061)	60 (-061)		120–1.1GB (-121)	60 (-061)	120 (-121, -A21)
				320–1.28GB (-321)	120 (-121)	
	39ms (30MB)	39ms (30MB)	32ms (30MB)	23ms (60MB, 120MB)	19ms (30MB)	27ms (60MB)
	27ms (60MB)	27ms (60MB)	23ms (60MB)	12.5ms (320MB)	27ms (60MB)	23ms (120MB)
					23ms (120MB)	
	3	3	2	7	2[6]	3
	94-watt	90-watt	90-watt	250-watt	85-watt	132-watt
	3.3, 4.0	3.3, 4.0	3.3, 4.0	3.3, 4.0	3.3, 4.0	3.3, 4.0
	SE, EE 1.2, 1.3	SE, EE 1.2, 1.3	No[7]	SE, EE 1.2, 1.3	SE, EE 1.2, 1.3	SE, EE 1.2, 1.3
	No	1.2 (-061)	No	1.2	1.2 (-061, -121)	1.1, 1.2

[4]Secures fixed disk only.
[5]Second diskette drive and fixed disk are mutually exclusive.
[6]One full-size, one half-size; 8525-L01, -L04 models use half-size slot for Token-Ring Adapter.
[7]OS/2 client support will be available in a future release of OS/2 LAN Server.

[8]AIX Personal System/2 available in a future release.
[9]Models 65 SX, 80 386, 90 XP 486, and 95 XP 486 have built-in SCSI adapters; all other supported models must have SCSI adapter installed.

70 486	80 386	90 XP 486	95 XP 486
8570-B61, -B21	8580-081, -161, -321, -A16, -A31	8590-0J5, -0J9, -0KD	8595-0J9, -0JD, -0KD
i486 Built-in 25	80386 80387 20 (-081, -161, -321) 25 (-A16, -A31)	i486 Built-in 25 (-0J5. -0J9) 33 (-0KD)	i486 Built-in 25 (-0J9, -0JD) 33 (-0KD)
8KB	64KB (-A16, -A31)	8KB (256KB optional)	8KB (256KB optional)
Micro Channel 32-bit	Micro Channel 32-bit	Micro Channel 32-bit	Micro Channel 32-bit
2MB–8MB	2MB–4MB (-081, -161, -321) 4MB–8MB (-A16, -A31)	4MB–32MB	4MB–32MB
16MB	16MB	32MB	32MB
Yes VGA Yes No Yes Optional Optional Yes Yes Yes	Yes VGA Yes No Yes Standard Optional Yes Yes Yes	Yes XGA Yes No Yes Standard Optional Yes Yes Yes	Yes XGA Yes No Yes Standard Optional Yes Yes Yes
1.44MB/2	1.44MB/2	1.44MB/2	1.44MB/2
60 (-B61) 120 (-B21)	80–1.04GB (-081) 160–1.12GB (-161, -A16) 320–1.28GB (-321, -A31)	80–720 (-0J5) 160–800 (-0J9) 320–960 (-0KD)	160–1.44GB (-0J9) 320–1.6GB (-0JD, -0KD)
27ms (60MB) 23ms (120MB)	17ms (80MB) 16ms (160MB) 12.5ms (320MB)	17ms (80MB) 16ms (160MB) 12.5ms (320MB)	16ms (160MB) 12.5ms (320MB)
3	7	3	6
132-watt	225-watt 242-watt (-A16, -A31)	194-watt	329-watt
3.3, 4.0 SE, EE 1.2, 1.3 1.2	3.3, 4.0 SE, EE 1.2, 1.3 1.2	3.3, 4.0 SE, EE 1.2, 1.3 Yes[8]	3.3, 4.0 SE, EE 1.2, 1.3 Yes[8]

IBM PS/2 options

Personal System/2 Model	Part number*	25	25 286	30 286	50 Z	55 SX	55 LS	65 SX	P70 386	70 386	70 486	80 386	90 XP 486	95 XP 486
Displays		PS/2 displays are supported on Models 30 286 and above.												
Printers/plotters/scanners		The following are supported on all models: Proprinter,™ LaserPrinter, Quickwriter,® Quietwriter,® 3812/3816 Page Printers, ExecJet,™ 618X/737X Color Plotters, 3117/3118 Scanners (not supported on Models 90 and 95 XP 486). The 3119 PageScanner is supported on Models 50 and above.												
Processors/co-processors														
486/25 Power Platform (upgrade)	6450876									■[1]				
486/33 Processor Upgrade	6451094												■	■
PS/2 Wizard Adapter	34F3062									■	■	■	■	■
Memory														
128KB Memory Expansion	78X8955	■												
Multifunction Adapter	30F5364			■										
2–8MB 80286 Memory Expansion	6450609				■	■	■	■						
2–8MB 80386 Memory Expansion	6450605								■	■	■	■		
Enhanced 80386 Memory Expansion 2MB	34F3077								■	■	■	■		
Enhanced 80386 Memory Expansion 4MB	34F3011								■	■	■	■		
Storage devices														
3.5-inch 720KB Diskette Drive	**	■												
3.5-inch 1.44MB Diskette Drive	**		■	■	■		■	■		■	■	■	■	■
5.25-inch Internal Diskette Drive	**							■		■		■	■	■
5.25-inch External Diskette Drive (360KB)	4869001	■	■	■	■	■	■	■	■	■	■	■	■	■
5.25-inch External Diskette Drive (1.2MB)	4869002			■	■	■	■	■	■	■	■	■	■	■
20MB Fixed Disk	**		■	■	■									
30MB Fixed Disk	**		■	■	■			■						
60MB Fixed Disk	6451084							■						
80MB SCSI Fixed Disk[9]	6451045							■					■	■
160MB SCSI Fixed Disk[9]	6451046							■			■		■	■
320MB SCSI Fixed Disk[9]	6451108							■			■		■	■
CD-ROM Drive (Internal)	6451113							■			■		■	■
External CD-ROM Drive	3510001				■	■	■	■	■	■	■	■	■	■
2.3GB SCSI Tape Drive	6451121													■
6157 Streaming Tape Drive	6157001/2	■	■	■	■	■	■	■	■	■	■	■	■	■
Internal Tape Backup Unit	30F5279				■			■		■	■	■	■	■
3363 Optical Disk Drive	**	■	■	■	■	■	■	■	■	■	■	■	■	■
Connectivity														
Token-Ring Network Adapter II	25F9858	■	■	■										
Token-Ring Network Adapter/A	69X8138				■	■	■	■	■	■	■	■	■	■
P70 386 Token-Ring Adapter/A	39F9598								■					
Token-Ring Network 16/4 Adapter	25F7367	■	■	■										
Token-Ring Network 16/4 Adapter/A	16F1133				■	■	■	■	■	■	■	■	■	■
Token-Ring Network 16/4 Trace and Performance Adapter	74F5121		■	■										
Token-Ring Network 16/4 Trace and Performance Adapter/A	74F5130				■	■	■	■	■	■	■	■	■	■
Adapter/A for Ethernet Networks	6451091				■	■	■	■	■	■	■	■	■	■
PC Network Broadband Adapter II	1501220	■	■	■										

Feature	Part Number*	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Performance Adapter/A	74F5130				•	•	•	•	•	•	•	•	•	•	•
Adapter/A for Ethernet Networks	6451091				•	•	•	•	•	•	•	•	•	•	•
PC Network Broadband Adapter II	1501220	•	•	•											
PC Network Broadband Adapter II/A	1501222				•	•	•	•	•	•	•	•	•		•
PC Network Adapter II Frequency 2, 3	96X5645/6	•	•	•											
PC Network Adapter II/A Frequency 2, 3	96X5647/8				•	•	•	•	•	•	•	•	•	•	•
PC Network Baseband Adapter	1501221	•	•	•											
PC Network Baseband Adapter/A	1501223				•	•	•	•	•	•	•	•	•	•	•
Multi-Protocol Adapter/A	6451003				•	•	•	•	•	•	•	•	•	•	•
Dual Async Adapter/A	6451013				•	•	•	•	•	•	•	•	•	•	•
BSC Communications Adapter	1501204	•													
SDLC Communications Adapter	1501205	•	•	•											
Realtime Interface Co-Processor (RIC)	***	•	•	•											
RIC Multiport/2	***				•	•	•	•	•	•	•	•	•	•	•
RIC Portmaster Adapter/A	***				•	•	•	•	•	•	•	•	•	•	•
X.25 Interface Co-Processor/2	16F1858				•	•	•	•		•	•	•	•	•	
Serial/Parallel Adapter	6450215	•	•	•											
300/1200/2400 Internal Modem/A	94X1755				•	•	•	•	•	•	•	•	•	•	•
Enhanced 5250 Emulation Adapter Kit	30F5383	•	•	•											
3278/79 Emulation Adapter	53F6425	•	•	•											
3270 Connection	74F3465				•	•	•	•	•	•	•	•	•	•	•
System 36/38™ W/S Emulation Adapter/A	69X6279				•	•	•	•	•	•	•	•	•	•	•
Display Station Emulation Adapter	92X0813	•	•	•											
Display Station Emulation Adapter/A	92X0743				•	•	•	•	•	•	•	•	•	•	•
System/370™ Channel Emulation Adapter/A	06F3160				•	•	•	•	•	•	•	•	•	•	•

Graphics and multimedia

Feature	Part Number*	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Display Adapter 8514/A	1887972				•	•	•	•			•	•	•		
XGA Display Adapter/A	75X5887					•	•	•			•	•	•	•	•
Image Adapter/A	***				•	•	•	•		•	•	•	•	•	•
M-Audio Capture/Playback Adapter/A	87F9909				•	•	•	•		•	•	•	•	•	•
Video Capture Adapter/A	34F2785				•	•	•	•		•	•	•	•	•	•
M-Audio Capture/Playback Adapter	87F9908	•	•	•											
M-Motion Video Adapter/A	34F3087				•	•	•	•		•	•	•	•	•	•

Other features

Feature	Part Number*	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PS/2 Mouse	6450350	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PC Music Feature	81X8630	•	•	•											
PS/2 Speech Adapter	1501216	•	•	•											
Game Control Adapter	1501300	•	•	•											
Micro Channel SCSI Adapter	6451109				•	•	•	•	•	•	•	•	•	•	•
Micro Channel SCSI Adapter with Cache	6451110				•	•	•	•	•	•	•	•	•	•	•

Additional cards and options are available—consult your IBM marketing representative or IBM Authorized Dealer.
*Other part numbers may be required to support a specific device or function.
**There is more than one part number for this type of device, depending on specific systems supported.
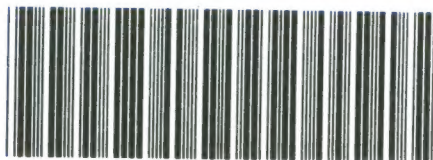***There is more than one part number for this type of option, depending on the amount of on-card memory and other functions desired.